BRUHATH BENGALURU MAHANAGARA PALIKE

BYATARAYANAPURA DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 25/11/2020

Item No.	1							
1	Removing and resetting of footpath slab							
Sl No	**CHAINAGE**		**No**	**L**	**B**	**D**	**Qty**	**Remarks**
	Land Mark			**(m)**	**(m)**	**(m)**		
	6th main Road							
	LHS		1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	16.00	0.90		14.40	
	RHS		1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	16.00	0.90		14.40	
							244.80	
	Less Missing and Damage Slabs							
	6th main Road							
	LHS		15	0.60	0.90		8.10	
			14	0.60	0.90		7.56	
			15	0.60	0.90		8.10	
			17	0.60	0.90		9.18	
			8	0.60	0.90		4.32	
	RHS		15	0.60	0.90		8.10	
			16	0.60	0.90		8.64	
			14	0.60	0.90		7.56	
			15	0.60	0.90		8.10	
			7	0.60	0.90		3.78	
							73.44	
	Deduct(245.70-73.44)						**171.36**	
	Total Executed Quantity						**171.36**	**Sqm**
	Limited to Schedule B Quantity						**170.10**	**Sqm**

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub-division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 30/11/2020

Item No.	3								
3	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
Sl No	CHAINAGE / Land Mark		No	L (m)	B (m)	D (m)	Qty	Remarks	
	6th main Road								
	LHS		1	30.00	0.60	0.60	10.80		
			1	30.00	0.60	0.60	10.80		
			1	30.00	0.60	0.60	10.80		
			1	30.00	0.60	0.60	10.80		
			1	16.00	0.60	0.60	5.76		
	RHS		1	30.00	0.60	0.60	10.80		
			1	30.00	0.60	0.60	10.80		
			1	30.00	0.60	0.60	10.80		
			1	30.00	0.60	0.60	10.80		
			1	16.00	0.60	0.60	5.76		
	Total Executed Quantity						97.92	Cum	
	Limited to Schedule B Quantity						93.60	Cum	

Asst Engineer
Ward No 08

Assistant Executive Engineer
Asst Executive Engineer
Kodigehalli sub division
Kodigehalli Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Pre Measurement Sheet

1st and Final Bill

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 02/12/2020

Item No.	5							
5	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications, specification. No. KBS 2.1(a)/2.3.5							
Sl No	**CHAINAGE**		**No**	**L**	**B**	**D**	**Qty**	**Remarks**
	Land Mark			**(m)**	**(m)**	**(m)**		
	For RCC drain							
	1st Cross Westernside Balaji Layout							
	LHS		1	30.00	1.00	1.10	33.00	
			1	30.00	1.00	1.10	33.00	
			1	20.00	1.00	1.10	22.00	
	1st Cross Easternside Balaji Layout							
	LHS		1	30.00	1.00	1.10	33.00	
			1	30.00	1.00	1.10	33.00	
			1	5.00	1.00	1.10	5.50	
	RHS		1	30.00	1.00	1.10	33.00	
			1	30.00	1.00	1.10	33.00	
			1	5.00	1.00	1.10	5.50	
	2nd Cross Easternside Balaji Layout							
	LHS		1	30.00	1.00	1.10	33.00	
			1	30.00	1.00	1.10	33.00	
			1	6.00	1.00	1.10	6.60	
	RHS		1	30.00	1.00	1.10	33.00	
			1	30.00	1.00	1.10	33.00	
			1	6.00	1.00	1.10	6.60	
	For Culverts							
	1st Cross Westernside Balaji Layout		1	5.90	1.60	1.35	12.74	
	1st Cross Easternside Balaji Layout		1	6.10	1.60	1.35	13.18	
	2nd Cross Easternside Balaji Layout		1	6.20	1.60	1.35	13.39	
	2nd cross Westernside balaji Layout		1	6.00	1.60	1.35	12.96	

428.47

Sl No	CHAINAGE	No	L	B	D	Qty	Rema
	Land Mark		(m)	(m)	(m)		
	3rd cross Westernside balaji Layout						
		1	5.90	1.60	1.35	12.74	12.74
	Total Executed Quantity					441.21	Cum
	Limited to Schedule B Quantity					440.40	Cum

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub-division

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 05/12/2020

Item No.	10	05
10	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - do - TMT bars Fe 500	

Sl No	CHAINAGE / Land Mark	No	No of Bars	Length of bar	Co-Eff	Qty	Remarks
	For drain						
	1st Cross Westernside Balaji Layout						
	U-Shape Main Bars						
	10mm dia @ 100mm C to C						
		1	801.00	2.40	0.62	1191.89	
	Distrubution bars						
	8mm dia @ 100mm C to C						
		1	25.00	79.50	0.39	775.13	
	1st Cross Easternside Balaji Layout						
	U-Shape Main Bars						
	10mm dia @ 100mm C to C						
		2	651.00	2.40	0.62	1937.38	
	Distrubution bars						
	8mm dia @ 100mm C to C						
		2	25.00	64.50	0.39	1257.75	
	2nd Cross Easternside Balaji Layout						
	U-Shape Main Bars						
	10mm dia @ 100mm C to C						
		2	661.00	2.40	0.62	1967.14	
	Distrubution bars						
	8mm dia @ 100mm C to C						
		2	25.00	65.60	0.39	1279.20	
	For Culverts						
	1st Cross Westernside Balaji Layout						
	U-Shape Main Bars						
	12mm dia @ 150mm C to C						
		1	40.00	3.30	0.89	117.48	
	Distrubution bars						
	8mm dia @ 150mm C to C						
		1	34.00	5.85	0.39	77.57	
	1st Cross Easternside Balaji Layout						
	U-Shape Main Bars						

8603.53

Sl No	CHAINAGE Land Mark	No	No of Bars	Length of bar	Co-Eff	Qty	Remarks
	12mm dia @ 100mm C to C						
		1	41.00	3.30	0.89	120.42	
	Distrubution bars						
	8mm dia @ 150mm C to C						
		1	23.00	6.05	0.39	54.27	
	2nd Cross Easternside Balaji Layout						
	U-Shape Main Bars						
	12mm dia @ 150mm C to C						
		1	42.00	3.30	0.89	123.35	
	Distrubution bars						
	8mm dia @ 150mm C to C						
		1	23.00	6.15	0.39	55.17	
	1st cross to 2nd cross road						
	U-Shape Main Bars						
	12mm dia @ 150mm C to C						
		1	41.00	3.30	0.89	120.42	
	Distrubution bars						
	8mm dia @ 150mm C to C						
		1	23.00	5.95	0.39	53.37	
	3rd cross Westernside balaji Layout						
	U-Shape Main Bars						
	12mm dia @ 150mm C to C						
		1	40.00	3.30	0.89	117.48	
	Distrubution bars						
	8mm dia @ 150mm C to C						
		1	23.00	5.85	0.39	52.47	696.95
						9300.47	KG
	Total Executed Quantity					9.30	MT
	Limited to Schedule B Quantity					9.25	MT

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub-division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 07/12/2020

Item No.	7							
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2							
Sl No	**CHAINAGE** / **Land Mark**		**No**	**L (m)**	**B (m)**	**D (m)**	**Qty**	**Remarks**
	For RCC drain							
	1st Cross Westernside Balaji Layout							
	LHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	20.00	1.00	0.15	3.00	
	1st Cross Easternside Balaji Layout							
	LHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	5.00	1.00	0.15	0.75	
	RHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	5.00	1.00	0.15	0.75	
	2nd Cross Easternside Balaji Layout							
	LHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	6.00	1.00	0.15	0.90	
	RHS		1	30.00	1.00	0.15	4.50	
			1	30.00	1.00	0.15	4.50	
			1	6.00	1.00	0.15	0.90	
	For Culverts							
	1st Cross Westernside Balaji Layout		1	5.90	1.60	0.15	1.42	
	1st Cross Easternside Balaji Layout		1	6.10	1.60	0.15	1.46	
	2nd Cross Easternside Balaji Layout		1	6.20	1.60	0.15	1.49	
	2nd cross Westernside balaji Layout		1	6.00	1.60	0.15	1.44	
	3rd cross Westernside balaji Layout		1	5.90	1.60	0.15	1.42	

58.52

Sl No	CHAINAGE		No	L	B	D	Qty	Rema
	Land Mark			(m)	(m)	(m)		
	For CC Road							
	12th Cross Bhadrappa Layout							
			1	30.00	(4.80+5.00)/2	0.15	22.05	
			1	30.00	(5.00+5.20)/2	0.15	22.95	
			1	30.00	(5.20+5.00)/2	0.15	22.95	
	Cross road							
			1	30.00	(5.00+5.20)/2	0.15	22.95	
			1	30.00	(5.20+5.20)/2	0.15	23.40	
			1	4.00	(5.20+5.00)/2	0.15	3.06	117.36
	Total Executed Quantity						175.88	Cum
	Limited to Schedule B Quantity						175.05	Cum

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub-division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 11/12/2020

Item No.	9								
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
Sl No	**CHAINAGE**		**No**	**L**	**B**	**D**	**Qty**	**Remarks**	
	Land Mark			**(m)**	**(m)**	**(m)**			
	For Side Wall								
	For RCC drain								
	1st Cross Westernside Balaji Layout								
	LHS		2*2	30.00		0.75	90.00		
			2*2	30.00		0.75	90.00		
			2*2	20.00		0.75	60.00		
	1st Cross Easternside Balaji Layout								
	LHS		2*2	30.00		0.75	90.00		
			2*2	30.00		0.75	90.00		
			2*2	5.00		0.75	15.00		
	RHS		2*2	30.00		0.75	90.00		
			2*2	30.00		0.75	90.00		
			2*2	5.00		0.75	15.00		
	2nd Cross Easternside Balaji Layout								
	LHS		2*2	30.00		0.75	90.00		
			2*2	30.00		0.75	90.00		
			2*2	6.00		0.75	18.00		
	RHS		2*2	30.00		0.75	90.00		
			2*2	30.00		0.80	96.00		
			2*2	6.00		0.80	19.20		
	For Culverts								
	1st Cross Westernside Balaji Layout								
			2*2	5.90		0.90	21.24		
	1st Cross Easternside Balaji Layout								
			2*2	6.10		0.90	21.96		
	2nd Cross Easternside Balaji Layout								
			2*2	6.20		0.90	22.32		
	2nd cross Westernside balaji Layout								
			2*2	6.00		0.90	21.60		

1120.32

Sl No	CHAINAGE	No	L	B	D	Qty	Rema
	Land Mark		(m)	(m)	(m)		
	3rd cross Westernside balaji Layout						
		2*2	5.90		0.90	21.24	21.24
	Total Executed Quantity					1141.56	Sqm
	Limited to Schedule B Quantity					1141.20	Sqm

Asst Engineer
Ward No 08

Assistant Executive Engineer
Kogilu Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 15/12/2020

Item No.	2							
2	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202							
Sl No	**CHAINAGE** / **Land Mark**		**No**	**L** (m)	**B** (m)	**D** (m)	**Qty**	**Remarks**
	12th Cross Bhadrappa Layout							
			1	30.00	(4.80+5.00)/2	0.20	29.40	
			1	30.00	(5.00+5.20)/2	0.20	30.60	
			1	30.00	(5.20+5.00)/2	0.20	30.60	
	Cross road							
			1	30.00	(5.00+5.20)/2	0.15	22.95	
			1	30.00	(5.20+5.20)/2	0.15	23.40	
			1	4.00	(5.20+5.00)/2	0.15	3.06	
	Total Executed Quantity						**140.01**	**Cum**
	Limited to Schedule B Quantity						**136.50**	**Cum**

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 16/12/2020

Item No.	4							
4	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and. trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.specification. No. KBS 2.1 (a) / 2.3.1							
Sl No	**CHAINAGE**		**No**	**L**	**B**	**D**	**Qty**	**Remarks**
	Land Mark			**(m)**	**(m)**	**(m)**		
	12th Cross Bhadrappa Layout							
			1	30.00	(4.80+5.00)/2	0.20	29.40	
			1	30.00	(5.00+5.20)/2	0.20	30.60	
			1	30.00	(5.20+5.00)/2	0.20	30.60	
	Cross road							
			1	30.00	(5.00+5.20)/2	0.20	30.60	
			1	30.00	(5.20+5.20)/2	0.20	31.20	
			1	4.00	(5.20+5.00)/2	0.20	4.08	
	Berm Cutting							
	12th Cross Bhadrappa Layout							
			1	25.00	(0.60+0.90)/2	0.60	11.25	
			1	27.00	(0.55+0.85)/2	0.60	11.34	
			1	22.00	(0.70+0.95)/2	0.60	10.89	
	Cross road							
			1	29.00	(0.60+0.90)/2	0.60	13.05	
			1	30.00	(0.10+1.00)/2	0.60	9.90	
	Cross road							
			1	28.00	(0.60+0.90)/2	0.60	12.60	
			1	19.00	(0.60+0.90)/2	0.60	8.55	
	Total Executed Quantity						**234.06**	**Cum**
	Limited to Schedule B Quantity						**234.00**	**Cum**

C4R

16/12/20

Asst Engineer
Ward No 08

Assistant Executive Engineer
Kodigehalli sub-division

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Kodigehalli Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 17/12/2020

Item No.	6						
6	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Ranker / Moorum.KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH-100/ Chapter 1						
Sl No	**CHAINAGE**	**No**	**L**	**B**	**D**	**Qty**	**Remarks**
	Land Mark		**(m)**	**(m)**	**(m)**		
	Qty Vide Item No 2	Page no.7				140.01	
	Qty Vide Item No 3	page no.2				97.92	
	Qty Vide Item No 4	page no.8				234.06	
	Qty Vide Item No 5	page no.6				441.21	
	Total Executed Quantity					**913.20**	**Cum**
	Limited to Schedule B Quantity					**904.50**	**Cum**

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub-division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

BRUHATH BENGALURU MAHANAGARA PALIKE

HEBBAL DIVISION

1st and Final Bill

Pre Measurement Sheet

Name of Work: Improvements to roads and main and cross roads of Balaji layout and surrounding areas in Ward No.8 Kodigehalli

Name of Agency: Sri. Byate Gowda S N

Estimate Cost : Rs.60.00 Lakhs

Job Code No: 008-20-000072

Measurement Recorded on : 28/12/2020

Item No.	15							
15	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.							
Sl No	**CHAINAGE**		**No**	**L**	**B**	**D**	**Qty**	**Remarks**
	Land Mark			**(m)**	**(m)**	**(m)**		
	1st Cross Westernside Balaji Layout							
	LHS		1	30.00	0.40		12.00	
			1	30.00	0.40		12.00	
			1	20.00	0.40		8.00	
	1st Cross Easternside Balaji Layout							
	LHS		1	30.00	0.40		12.00	
			1	30.00	0.40		12.00	
			1	5.00	0.40		2.00	
	RHS		1	30.00	0.40		12.00	
			1	30.00	0.40		12.00	
			1	5.00	0.40		2.00	
	2nd Cross Easternside Balaji Layout							
	LHS		1	30.00	0.40		12.00	
			1	30.00	0.40		12.00	
			1	6.00	0.40		2.40	
	RHS		1	30.00	0.40		12.00	
			1	30.00	0.40		12.00	
			1	6.00	0.40		2.40	
	Total Executed Quantity						**136.80**	**Sqm**
	Limited to Schedule B Quantity						**135.60**	**Sqm**

C+fc

28/12/2020

Asst Engineer
Ward No 08

Asst Executive Engineer
Kodigehalli sub-division

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore